

CLAIMS:

1. A film layer made from a polymer composition, wherein the composition comprises
 - (A) from 10 percent (by weight of the total composition) to 95 percent (by weight of the total composition) of at least one homogeneously branched ethylene/alpha-olefin interpolymer having:
 - (i) a density from 0.86 grams/cubic centimeter (g/cm^3) to 0.92 g/cm^3 ,
 - (ii) a molecular weight distribution (M_w/M_n) from 1.8 to 2.8,
 - (iii) a melt index (I_2) from 0.2 grams/10 minutes (g/10min) to 200 g/10 min ,
 - (iv) substantially no high density fraction; and
 - (B) from 5 percent (by weight of the total composition) to 90 percent (by weight of the total composition) of at least one heterogeneously branched ethylene polymer having a density from 0.88 g/cm^3 to 0.945 g/cm^3 ;wherein the polymer composition has a melt index which is from 0.5 grams/10 minutes to 30 grams/10 minutes and which is lower than the melt index of component (A).
2. (Cancelled).
3. The film layer of claim 1 having a heat seal initiation temperature of no greater than 105 °C.
3. (Cancelled).
4. A film layer made from a polymer composition, wherein the composition has an ATREF-DV characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an M_v which is at least 6 percent lower than the average M_v of the composition.
6. The film layer of claim 1 or 2 wherein the homogeneously branched ethylene/alpha olefin polymer of component (A) is an interpolymer of ethylene with at least one $\text{C}_3\text{-C}_{20}$ alpha-olefin.
7. The film layer of claim 1 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and a $\text{C}_3\text{-C}_{20}$ alpha-olefin.

8. The film layer of claim 1 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and 1-octene.
9. The film layer of claim 5 wherein the polymer composition includes a homogeneously branched ethylene/alpha-olefin copolymer which is a copolymer of ethylene and 1-octene.
10. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymer and at least one heterogeneously branched ethylene/alpha-olefin interpolymer, the improvement comprising the composition having an ATREF-DV characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mv lower than the average Mv of the composition.
11. (Cancelled).
12. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymer and at least one other ethylene polymer, the improvement comprising the composition having an ATREF-DV characterized by having at least 1 low temperature peak between 30C and 90C, wherein the low temperature peak has an Mv lower than the average Mv of the composition.
13. The film layer of claim 1 wherein (B) has a density higher than the density of the composition.
14. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is an interpolymer of ethylene with at least one C₃-C₂₀ alpha-olefin.
15. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is a copolymer of ethylene and a C₃-C₂₀ alpha-olefin.
16. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is a copolymer of ethylene and 1-octene.
17. The improvement of claim 10 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and a C₃-C₂₀ alpha-olefin.
18. The improvement of claim 10 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and 1-octene.

19. The film of claims 1, 2 or 4, or the composition of claims 10 or 12, wherein the composition comprises more than 40 percent (by weight of the total composition) of Component (A)
20. (Cancelled).
21. A film layer made from a polymer composition, wherein the composition has a CRYSTAF-LS characterized by having a lowest temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mw which is at least 6 percent lower than the average Mw of the composition.
22. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymers and at least one heterogeneously branched ethylene/alpha-olefin interpolymers, the improvement comprising the composition having a CRYSTAF-LS characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mw lower than the average Mw of the composition.
23. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymers and at least one other ethylene polymer, the improvement comprising the composition having a CRYSTAF-LS characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the low temperature peak has an Mw lower than the average Mw of the composition.

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